## In the Claims:

Claims 1, 10, 11 and 12 are amended herein. The remaining claims are not amended in this response.

1. (currently amended) A method for making controlledrelease ammonium phosphate fertilizer comprising following acts
steps:

adding release-controlling materials into ammonium phosphate slurry;

mixing evenly the ammonium phosphate slurry and the releasecontrolling materials into a mixture;

condensing the mixture of the ammonium phosphate slurry and the release-controlling materials until a water-content rate of the mixture reaches 25~35% (w/w, based on a dry weight of the ammonium phosphate slurry); and

granulating the condensed mixture of the ammonium phosphate slurry and the release-controlling materials to obtain granular controlled-release ammonium phosphate fertilizer.

2. (original) The method as claimed in claim 1, wherein sulfuric acid is further added to the mixture of the ammonium phosphate and the release-controlling material to acidify the mixture before condensing;

wherein the sulfuric acid is 1~20% (w/w, based on the dry weight of the ammonium phosphate slurry). —

Page 2 — RESPONSE (U.S. Patent Appln. S.N. 10/613,563) [\\Files\files\Correspondence\August 2005\t1239rtoa080905.doc]

- 3. (original) The method as claimed in claim 1, wherein the release-controlling material is selected from at least one of the group comprising: zeolite, montmorillonite, pillared montmorillonite, and lignin comprising alkali lignin and lignosulfonate or lignosulphonate.
- 4. (original) The method as claimed in claim 2, wherein the release-controlling material is selected from at least one of the group comprising: acidified zeolite, acidified montmorillonite, acidified pillared montmorillonite, and acidified lignin comprising acidified alkali lignin and acidified lignosulfonate or lignosulphonate.
- 5. (original) The method as claimed in claim 3, wherein the release-controlling material is 3~35% (w/w, based on the dry weight of the ammonium phosphate slurry).
- 6. (original) The method as claimed in claim 4, wherein the release-controlling material is 3~35% (w/w, based on the dry weight of the ammonium phosphate slurry).
  - 7. (original) The method as claimed in claim 1, wherein the granulating methods are selected from the following methods comprising: slurry granulating, spray granulating, and fluidization granulating.
  - 8. (original) The method as claimed in claim 5, wherein the granulating methods are selected from following methods

Page 3 — RESPONSE (U.S. Patent Appln. S.N. 10/613,563) [\\Files\files\Correspondence\August 2005\t1239rtoa080905.doc]

comprising: slurry granulating, spray granulating, and fluidization granulating.

- 9. (original) The method as claimed in claim 6, wherein the granulating methods are selected from following methods comprising: slurry granulating, spray granulating, and fluidization granulating.
- 10. (currently amended) A method for making controlled-release ammonium phosphate fertilizer comprising following acts steps:

adding release-controlling material and water into ammonium phosphate powder;

mixing evenly the ammonium phosphate powder, the releasecontrolling material and water into a mixture;

grinding the mixture;

activating the components in the mixture by piling;

drying the activated mixture to achieve the controlledrelease ammonium phosphate fertilizer.

11. (currently amended) The method as claimed in claim 10, wherein sulfuric acid is further added into the mixture of the ammonium phosphate and the release controlling material to acidify the mixture before the grinding act step;

wherein the sulfuric acid is 1~20% (w/w, based on a weight of the ammonium phosphate powder).

Page 4 — RESPONSE (U.S. Patent Appln. S.N. 10/613,563) [\\Files\files\Correspondence\August 2005\t1239rtoa080905.doc]

- 12. (currently amended) The method as claimed in claim 10, wherein the release controlling material is selected from at least one of the group comprising: zeolite, montmorillonite, pillared montmorillonite, and lignin comprising alkali lignin and lignosulfonate or lignosulphonate.
- 13. (original) The method as claimed in claim 10, wherein the release controlling material is selected from at least one of the group comprising: acidified zeolite, acidified montmorillonite, acidified pillared montmorillonite, and acidified lignin comprising acidified alkali lignin and acidified lignosulfonate or lignosulphonate.
- 14. (original) The method as claimed in claim 12, wherein the release controlling materials are in proportion of 3~35% (w/w, based on a weight of the ammonium phosphate powder) and the water is in proportion of 3~40% (w/w, based on the weight of the ammonium phosphate powder).
- 15. (original) The method as claimed in claim 13, wherein the release-controlling materials are proportion of 3~ 35% (w/w, based on a dry weight of the ammonium phosphate powder) and the water is in the proportion of 3~40% (w/w, based on the dry weight of the ammonium phosphate powder).

## This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:
☐ BLACK BORDERS
☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
☐ FADED TEXT OR DRAWING
☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
☐ SKEWED/SLANTED IMAGES
☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
GRAY SCALE DOCUMENTS
☐ LINES OR MARKS ON ORIGINAL DOCUMENT
☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

## IMAGES ARE BEST AVAILABLE COPY.

OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.